

For Research Use Only

PIP5K1A Monoclonal antibody

Catalog Number: 67483-1-Ig **1 Publications**



Basic Information

Catalog Number: 67483-1-Ig	GenBank Accession Number: BC007833	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8394	CloneNo.: 3E5G12
Source: Mouse	UNIPROT ID: Q99755	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000
Isotype: IgG2b	Full Name: phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	
Immunogen Catalog Number: AG8355	Calculated MW: 56 kDa, 63 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : LNCaP cells, HEK-293 cells, HeLa cell, HepG2 cells, L02 cells, K-562 cells, Jurkat cells, MOLT-4 cells, HeLa cells IHC : human tonsillitis tissue,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Phosphatidylinositol 4-phosphate 5-kinases (PIP5Ks) play diverse roles in the cellular biology of many organisms, including signal transduction, secretion and vesicular trafficking, and regulation of cytoskeleton assembly(PMID:17688436). There are three PIP5K isoforms, α , β , and γ . The nomenclature for the α and β isoforms is switched between humans and mice(PMID:22096541). There are also several splicing variants of the γ isozyme have been identified.(PMID:20945365). PIP5K1A has some isoforms produced by alternative splicing with the molecular mass of 56-63 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Olivier Aïqui-Reboul-Paviet	39297643	J Virol	WB

Storage

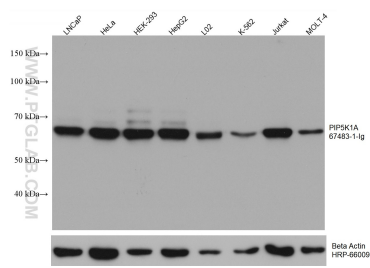
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

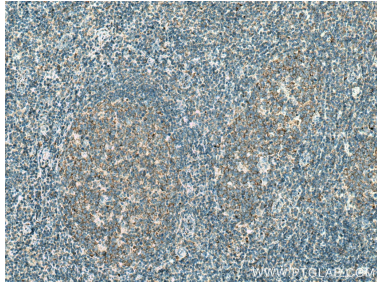
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

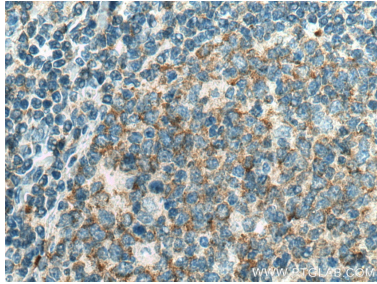
Selected Validation Data



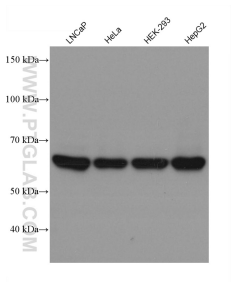
Various lysates were subjected to SDS PAGE followed by western blot with 67483-1-Ig (PIP5K1A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67483-1-Ig (PIP5K1A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67483-1-Ig (PIP5K1A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67483-1-Ig (PIP5K1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.